

U . S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY Cause FOR 2009

Cause	Incidents	INJURIES		Fatalities	Damages
		Hospitalized	Non-Hospitalized		
Cause Not Reported	1	0	0	0	0
Cause Not Reported	2	0	0	0	0
Abrasion	122	0	1	0	677,139
Broken Component or Device	205	0	3	0	232,127
Commodity Self-Ignition	8	0	0	0	4,400
Commodity Polymerization	1	0	0	0	0
Conveyer or Material Handling Equipment Mishap	82	0	4	0	133,530
Corrosion - Exterior	39	0	1	0	25,623
Corrosion - Interior	48	0	2	0	103,356
Defective Component or Device	1,131	0	4	0	717,013
Derailment	23	2	6	1	13,983,817
Deterioration or Aging	260	2	7	0	405,082
Dropped	1,743	2	6	0	606,995
Fire, Temperature, or Heat	19	1	1	0	1,696,863
Forklift Accident	1,173	1	7	0	466,562
Freezing	34	0	0	0	15,500
Human Error	2,015	1	15	0	1,613,594
Impact with Sharp or Protruding Object (e.g., nail)	791	0	0	0	622,962
Improper Preparation for Transportation	1,081	1	14	0	328,719
Inadequate Accident Damage Protection	130	0	0	0	21,100
Inadequate Blocking and Bracing	1,085	0	0	0	452,884
Inadequate Maintenance	13	0	0	0	31,156
Inadequate Preparation for Transportation	638	4	7	0	344,174
Inadequate Procedures	94	0	4	0	3,220
Inadequate Training	17	0	0	0	0
Incompatible Product	9	0	0	0	41,500
Incorrectly Sized Component or Device	7	0	0	0	14,596
Loose Closure, Component, or Device	1,675	0	27	0	2,326,265
Misaligned Material, Component, or Device	61	0	4	0	59,290
Missing Component or Device	59	1	1	0	95,187
Overfilled	209	0	1	0	329,228
Over-pressurized	112	2	13	0	188,987
Rollover Accident	70	1	20	1	10,362,731
Stub Sill Separation from Tank (Tank Cars)	1	0	0	0	37,000
Threads Worn or Cross Threaded	17	0	1	0	13,654
Too Much Weight on Package	521	0	9	0	200,089
Valve Open	297	0	1	0	261,146
Vandalism	6	0	0	0	69,787
Vehicular Crash or Accident Damage	89	3	5	1	8,571,799
Water Damage	9	0	0	0	17,060
Cause Not Reported	1,169	4	29	3	9,145,437
Total - 2009	15,066				

Note: Due to multiple causes being involved in a single incident, the totals above may not correspond to the totals in the other reports.